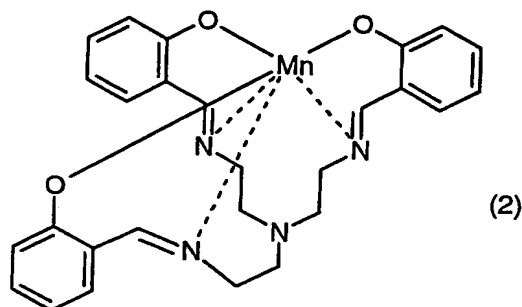


CLAIMS

1. A crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine



characterized by a peak at a d-spacing of about 6.87 Å in its powder X-ray diffraction pattern.

2. A crystal modification of 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)) characterized by peaks at d-spacings of about 6.87 and 12.69 Å in its powder X-ray diffraction pattern

3. A crystal modification of 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)) characterized by peaks at d-spacings of about 3.51, 3.65, 4.20, 4.63, 4.95, 5.30, 6.38, 6.87, 7.50, 10.57 and 12.69 Å in its powder X-ray diffraction pattern

4. A crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)) characterized by peaks at d-spacings of about 2.22, 2.48, 2.94, 3.14, 3.51, 3.65, 3.76, 3.94, 4.20, 4.63, 4.95, 5.30, 5.82, 6.19, 6.38, 6.87, 7.50, 8.59, 10.57 and 12.69 Å in its powder X-ray diffraction pattern.

5. A crystal modification of 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)), which has a characteristic X-ray powder pattern obtained by X-ray diffraction on a powder sample of the new crystal modification in the instrument STOE-powder-diffractometer at room temperature (25°C) under Cu X-ray [$\lambda(\text{CuK}\alpha) = 1.540598 \text{ Å}$] represented by the following spacings between lattice planes:

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| d(Å) | Intensity | d(Å) | Intensity |
|-------|-----------|------|-----------|
| 12.69 | strong | 4.63 | medium |
| 10.57 | medium | 4.20 | medium |
| 8.59 | weak | 3.94 | weak |
| 7.50 | medium | 3.76 | weak |
| 6.87 | strong | 3.65 | medium |
| 6.38 | medium | 3.51 | medium |
| 6.19 | weak | 3.14 | weak |
| 5.82 | weak | 2.94 | weak |
| 5.30 | medium | 2.48 | weak |
| 4.95 | medium | 2.22 | weak |

6. A crystal modification of 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)) according to any one of the preceeding claims, characterized in that in accordance with X-ray diffraction on its sample single crystal
5 it is represented by the following basis crystallographic data:

| | |
|--|---------------------|
| Crystal system | monoclinic |
| Space group | P 2 ₁ /n |
| a[Å] | 7.906 |
| b[Å] | 25.609 |
| c[Å] | 11.736 |
| α [°] | 90 |
| β [°] | 96.55 |
| γ [°] | 90 |
| V[Å ³] | 2360.6 |
| Structure unit per cell (Z) | 4 |
| Absorption coefficient μ [mm ⁻¹] | 0.597 |
| F(000) | 1064 |

7. Use of the crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)) according to any one of the preceeding
10 claims as catalyst for oxidation reactions.

8. Use according to claim 7, wherein the crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine is used in a washing, cleaning, disinfecting or bleaching agent.
- 5 9. Use according to claims 7 or 8, wherein the crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine is used together with a peroxy compound for the bleaching of spots or stains on textile material or for the prevention of the redeposition of migrating dyes in the context of a washing process of textile materials or for the cleaning of hard surfaces.
- 10 10. Use according to claims 7 or 8, wherein the crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine according to claims 1 – 6 is used as a catalyst for reactions with a peroxy compound for bleaching in the context of paper-making.
- 15 11. A washing, cleaning, disinfecting or bleaching agent, containing
- I) 0 – 50 %, preferably 0 – 30 %, A) of at least one anionic surfactant and/or B) of at least non-ionic surfactant,
 - II) 0 – 70 %, preferably 0 – 50 %, C) of at least one builder substance,
 - 20 III) 0 – 10%, preferably 0 – 5% D) of at least one (poly)phosponate and/or aminoalkylene-poly(alkylenephosphonate),
 - IV) 1 – 99 %, preferably 1 – 70 %, E) of at least one peroxide and/or of at least one peroxide-forming substance, and
 - 25 V) F) the new crystal modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)) in an amount which, in the liquor, gives a concentration of 0.2 – 50 mg/litre of liquor, preferably 0.2 – 30 mg/litre of liquor, when from 0.2 to 20 g/litre of the washing, cleaning, disinfecting and bleaching agent are added to the liquor.
- 30 12. Process for the preparation of the modification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylidene-aminoethyl]amine (compound (2)) according to Claims 1 – 6 by
- a) adding a solution comprising 3 parts of salicylic aldehyde and 1 part of tris-(2-aminoethyl)amine to a Mn(III) solution, which can optionally comprise some amount of a base, and

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b) isolation and purification of the 1:1 manganese (III) complex of N,N',N''-tris[salicylideneaminoethyl]amine (compound (2)).